Psychology 503, Advanced Psychological Statistics

Spring 2013
Instructor: David Lane
Meeting time: Tuesdays and Thursdays, 1:00-2:20
Place: SH 133

The course is a continuation of PSYC 502 and covers topics in analysis of variance, regression analysis multivariate analysis of variance, discriminant analysis, and factor analysis.

If you have a documented disability that will impact your work in this class, please contact me to discuss your needs. Additionally, you will need to register with the Disability Support Services Office in the Ley Student Center.

Required Textbooks

Darlington, R. (1990) Regression and Linear Models, McGraw-Hill.

This is my favorite book on multiple regression. Although it is out of print, I have permission from the author to provide it to you.

Optional Textbooks

Bobko, P. (2001) Correlation and Regression: Applications for Industrial Organizational Psychology and Management. Sage Publications.

Overpriced but fairly easy to follow. Accuracy is good but the book contains a few misconceptions. Link to sellers

Cohen, J., Cohen, P. West, S., & Aiken, L. (2003) Applied Multiple Regression: Correlation Analysis for the Behavioral Sciences. Lawrence Erlbaum & Associates, Mahwah, N.J.

A lot of good information here but I find it better as a reference book than as one to learn from. A lot of formulas. Link to sellers

Grimm, L. & Yarnold, P. (1994) Reading & Understanding Multivariate Statistics. APA

Easy to understand but has many errors. However I will correct them in class. Link to sellers

Stevens, J. P. (2009) Applied Multivariate Statistics for the Social Sciences (5th Edition). Routledge, NY

This is an excellent book although it may be a bit tough for some. Link to sellers

Assignments

There will be weekly reading and homework assignments. My hope is that the homework will not be graded. However, if it turns out some are not doing the homework this will change and the weighing of various portions of your grade will change accordingly.

Discussion will count for 5% of the grade.

There will also be a series of results sections to be written. They will count for 15% of the grade.

Exams

There will be a midterm and a final exam. Both will be take home. The midterm will count 30% and the final 50%. However, if you do better on the final than the midterm than the midterm does not count (the final counts 80%). *You must pass the final to pass the course!*